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Water use and protection against pollution in the industry *2012*

The release comprises selected statistical data on captured, used and waste water from the industry in 2012.

Of the total 2.886.952 thousands m³ of captured water, there are 2.885.648 thousands m³ of water from the own water supply system (surface water 99.6%, underground water 0.4%), and 1.304 thousands m³ from the public water supply.

Specially pointed out are the following areas of activity: Electricity, gas, steam and air-conditioning supply; Manufacture of basic metals and fabricated metal products, except machinery and equipment; Manufacture of food products, beverages and tobacco products and other manufacturing, and repair and installation of machinery and equipment, which capture and use 99.98% of the total water quantity.

1. Volume of water for industry by abstraction, 2012

in thousands m³

	From the own water supply system	From the public water supply system	Total
Mining	167	89	256
Manufacturing	22 123	528	22 651
Electricity, gas, steam and air-conditioning supply	2 863 358	687	2 864 045
Total	**2 885 648**	**1 304**	**2 886 952**

Areas of activity with the highest capture,

in thousands m³

	From the own water supply system	From the public water supply system	Total
Electricity, gas, steam and air-conditioning supply	2 863 358	687	2 864 045
Manufacture of basic metals and fabricated metal products, except machinery and equipment	11 572	28	11 600
Manufacture of food products, beverages and tobacco products	10 403	199	10 602
Other manufacturing, and repair and installation of machinery and equipment	167	89	256

Of the total water used in the industry, there are 99.3% of water used in sector Electricity, gas and steam supply, air-conditioning, while there are 0.7% of water used in sectors Mining and Manufacturing.

2. Water used in industry by purpose, 2012

in thousands m³

	For technological process	For sanitary needs	For other purposes	Total
Mining	233	9	14	256
Manufacturing	16 758	483	2 741	19 982
Electricity, gas, steam and air-conditioning supply	2 863 455	88	502	2 864 045
Total	**2 880 446**	**580**	**3 257**	**2 884 283**

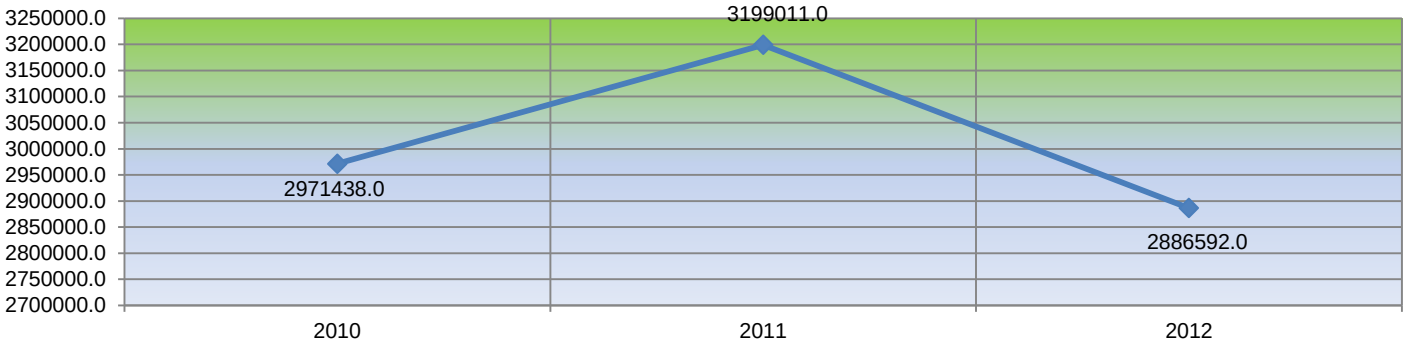
Of the total industrial waste water, there are 94.4% from sector Electricity, gas and steam supply, and air-con, the highest user of water, and the rest 5.6% are from Mining and other areas of Manufacturing.

1. Waste water from industry, 2012

in thousands m³

	Total waste water[1]	Share of waste water by activity areas
Mining	103	0.8
Manufacturing	11 694	94,4
Electricity, gas steam and conditioning Supply	590	4,8
Total	**12 387**	**100%**

1.1. Use of water in industry 2010- 2012 (in thousands m³)



The total quantity of used water in 2012 compared with 2011 decreased by 9.8%, while compared with 2010 it decreased by 2.8%.

[1] Running waters excluded (as for HE power stations, etc.).

METHODOLOGICAL NOTES

The report on use and protection of water against the pollution in the industry is submitted by the reporting method at the annual level.

The purpose of this survey is to collect the data on the quantities of captured, used and discharged water within the industry.

The reporting units are business entities with ten and more employees whose main activity is classified according to the Classification of Activities 2010 in sectors: Mining, Manufacturing and Electricity Supply.

Data sources are accounting and other records, and documents possessed by a reporting unit. If there are no adequate documents and records for certain data, a person with appropriate expertise performs the assessment.

Water used is all quantities of water supplied to reporting units, and which were used in production activity during the reporting unit.

The own water supply system is every supply of water by the side of users for their final consumption.

Waste water is water treated as the waste after being used, and transported to purification plants, or drained out (underground water, surface waters). Waste water quantities do not include atmospheric or running waters (used for hydroelectric power stations).

Purified waste water is the quantity of waste water purified during the reporting year.

Surface water is all water running or stagnant at the surface of Earth. It includes springs, rivers, lakes, reservoirs, etc., as well as artificially made channels for the purposes of irrigation, waterways, and similar.

Underground water is the water resource in underground formations.

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81000 Podgorica, IV Proleterske 2, Phone (+382) 20 230-811, Fax (+382) 20 230-814

The release prepared by:

Natasa Vuckovic, MSc

Phone +382 20 23 10 04

natasa.vuckovic@monstat.org